PATENT ABSTRACTS OF JAPAN

(11)Publication number:

10-306078

(43) Date of publication of application: 17.11.1998

(51)Int.CI.

CO7D233/64 A61K 31/415 A61K 31/425 A61K 31/44 A61K 31/495 A61K 31/505 A61K 31/535 CO7D213/30 CO7D213/71 CO7D213/74 CO7D231/12 CO7D233/61 CO7D233/84 CO7D239/42 CO7D249/08 CO7D277/36 CO7D295/12 CO7D307/64 CO7D333/34

CO7D401/12 CO7D401/12

CO7D401/12 CO7D401/12 CO7D403/12 CO7D403/12

(21)Application number: 09-117976

(71)Applicant: MITSUBISHI CHEM CORP

(22)Date of filing:

08.05.1997

(72)Inventor: INOUE SHINYA

TARAO YOSHIHIRO KOMATSU YOSHIYUKI

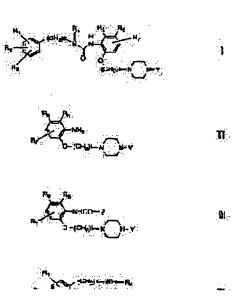
SUZUKI KAZUO

TAKAHASHI CHIZUKO

(54) UREA DERIVATIVE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new urea derivative useful as an active ingredient of a medicine used for prevention and/or treatment of diseases such as hyperlipemia or arteriosclerosis. SOLUTION: This urea derivative is represented by formula I [R1 to R3 are each H, OH, an alkyl, an alkoxy, an aralkyloxy, etc.; R4 is H, an alkyl, a cycloalkyl, etc.; R5 to R7 are each H, an alkoxy, an alkyl, OH, etc.; Y is an alkyl, an aryl, etc.; (k) is 0-3; (1) is 2-4], its salt, hydrate or solvate, e.g. N-{4-(4-methyl-1-piperazinyl)phenyl}methyl-N'-[2-[3-(4-phenyl-1-piperazinyl) propoxyl-6methylphenyl]urea. The compound represented by formula I is obtained by converting an aniline derivative represented by formula II into a reactional intermediate represented by formula III



(Z is a halogen, an aryloxy, etc.), then reacting the resultant intermediate with an amine derivative represented by formula IV in which (k) is 1-3 or an aniline derivative represented by formula IV in which (k) is 0.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office